



ErgoPower™ Utility Cart

User Manual



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INTRODUCTION:

Congratulations on your purchase of your new Kingsley ErgoPower Utility Cart. This ErgoPower Utility Cart system uses our standard 36" series utility cart with an electronic power system that is quiet with a long-life battery and built-in charging station. With just a twist of a throttle the cart effortlessly transports heavy loads over all types of surfaces, up ramps, and around tight corners. The operating system on the unit is intuitive, easy-to-operate with lockable key switch. The power-assist motor transports packages and equipment up ramps and aisles all without the effort of the operator. The drive train is water resistant to ensure the liability and durability of the unit under extreme weather conditions such as raining or snowing. The ErgoPower Utility Cart has the load capacity of 300 lbs

This manual contains important information regarding the safe use of the Ergo Transport Powered Utility Cart. Read it carefully before using the ErgoPower Utility Cart and make sure you understand all the instructions. If you do not understand these instructions (or any part of them) or have any questions, contact a Kingsley Representative at: 909-445-1240, or at info@kingsley.com

FEATURE GUIDE:



The ErgoPower Transport Utility Cart contains three major components: 36" series aluminum flat utility cart, control panel and drive train.

Utility Cart: 36" series aluminum flat utility cart

Control Panel: located along the Back of the utility cart.

Drive Train: located under the utility cart.

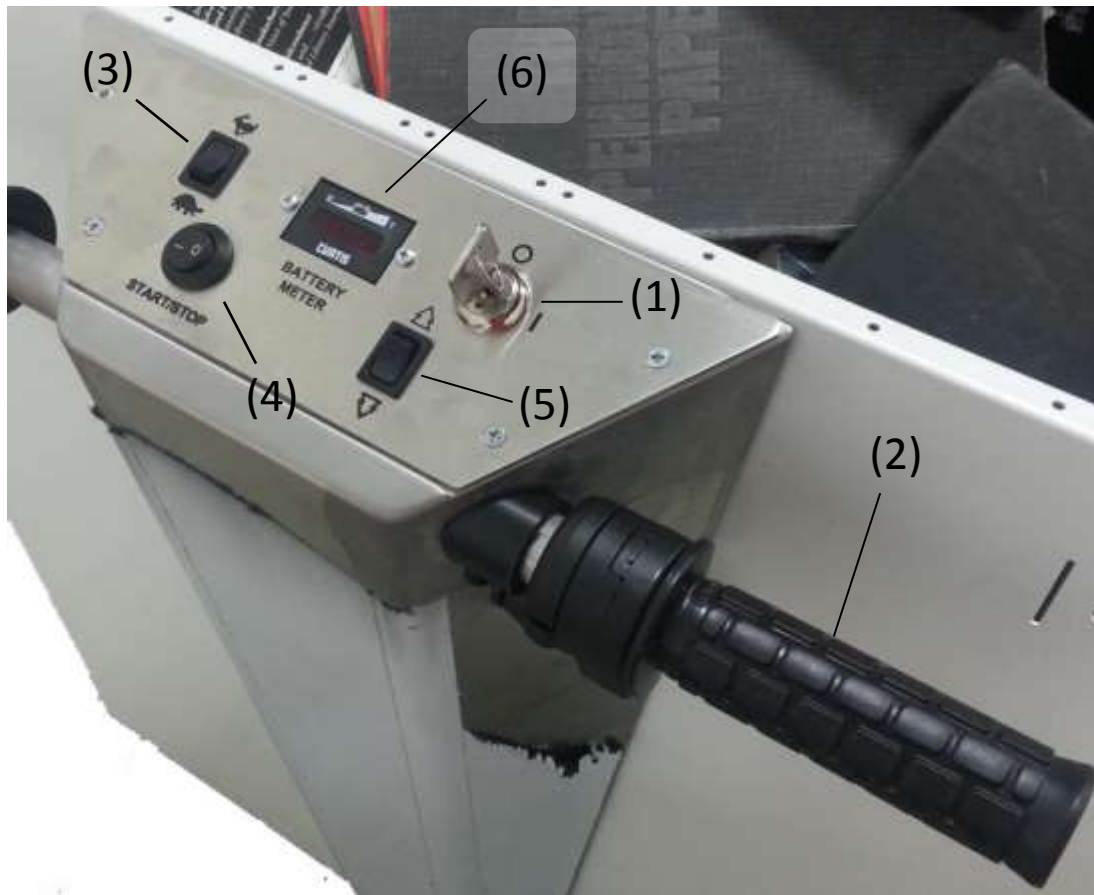
***Charging Socket:** located below control panel on drive train.

SAFETY INSTRUCTION

The ErgoPower Utility Cart is intended to help you with transporting material, office supplies, equipment, packages, books, and much more inside or outside your building. To ensure safe maneuvering for you and others, please observe the rules listed below:

- (1) **Do not** operate the ErgoPower Utility Cart without reading this instruction manual.
- (2) **Do not** use the throttle in an erratic manner when going up or down an incline, maneuvering in tight places, or around a high pedestrian traffic.
- (3) **Do not** carry passengers or exceed the maximum load weight of 500Lbs.
- (4) **Do not** use **DIRECTION SWITCH** when the Cart is in motion.
- (5) **Do not** use **SPEED SWITCH** when the Cart is in motion.
- (6) **Do not** turn the key switch to **ON (I)** position until ready to put Cart in motion.
- (8) **Do not** switch **START/STOP** to start position until ready to put Cart in motion.
- (9) **Come to a complete** stop before changing **DIRECTION SWITCH**.
- (10) **Come to a complete** stop before changing **SPEED SWITCH**.
- (11) **Always** be aware of what is going on around you while operating the ErgoPower Cart and Drive Safely.

CONTROLS AND DISPLAY



(1) **KEY SWITCH:** To turn **ON** (|) and **OFF** (●) the entire unit. Please make sure the **KEY SWITCH** is positioned at **OFF** (●) when the unit is not in use.

(2) **THROTTLE:** One direction throttle bar controls the power output of the unit. Roll the **THROTTLE** toward the operator to increase power output and roll to the opposite direction to decrease power. The unit will come to a gradual stop once the throttle is returned to its original position. The throttle gives the operator complete speed control of the ErgoPower Utility Cart. The operator can control the speed of the cart by twisting the throttle slightly downward providing a little power to the drive train and then can increase the speed by small increments all the way to max speed all by the twist of the throttle.

- (3) **SPEED SWITCH:** To adjust the speed of the unit, there are two different settings Turtle represents **SLOW** and Rabbit represents **FAST**. The turtle speed is recommended for indoor use and the Rabbit speed is recommended for long distances and for going up hills and ramps. It is recommended to always start with the **SLOW** setting when the operator is inexperienced at operating the unit.
- (4) **START/STOP SWITCH:** The switch has to be in the start position for the unit to operate.
- (5) **DIRECTION SWITCH:** To change the direction of the unit to either **FORWARD** or **REVERSE**. Always stop the unit by releasing the throttle handle before applying direction change.
- (6) **BATTERY GAUGE DISPLAY:** 10 segments display. This gauge displays the amount of power that is in the onboard batteries. Automatically turns on when the **KEY SWITCH** is switched to **ON (|)** position.

PREPARATION FOR USE

The ErgoPower Utility Cart comes fully assembled and fully charged. Charge the unit to a complete charge reading on the battery gauge prior to first time use. The ErgoPower Utility Cart is ready to handle your day to day material transportation needs. Please note that maximum efficiency can only be achieved with sufficient battery power.

BATTERIES AND BATTERY CHARGER

The unit uses two **12V Direct Current Batteries**. The standard battery charger used is **24V 2AMP Battery Charger** with **110-240VAC input**.

A charging indication light can be found on the main body of the battery charger. The indication light illuminates **RED** during charging and **GREEN** when fully charged. It will normally take 4 to 6 hours to fully charge the batteries depending on environmental conditions. The battery charger has built in safety features and can be left connected indefinitely without harming the batteries.

An optional 24V 6AMP Constant Current Battery Charger can be purchased. The optional charger charges faster (normally less than 1 hour to fully charge the batteries depending on environmental conditions) and can accept both 115V and 230V inputs.

Part number 39-6160-CHR2

Note:

If the Batteries run out of a charge during operation , there is a gear release switch lever on the right hand side of the Transaxle motor assembly located underneath the cart that can be pushed up to enable the cart to be pushed to the designated charging area. Do not forget to re-engage the transaxle by pushing down on the lever after the batteries are charged. Please refer to the below picture.



For more information regarding the Optional battery charger or to purchase, please contact *Kingsley Company*.

****Note: the unit is not be operated when the charger is plugged in.***

OPERATION INSTRUCTION

Starting the unit:

Step 1: Visually inspect the unit all around to make sure the unit is under the correct operating conditions. Before operating the cart check for any obstructions in the carts path and remove them if needed. (Do not forget to unplug the charger if it is still plugged into the unit.)

Step 2: Turn the key switch to **ON (|)** position.

Step 3: Turn the **DIRECTION SWITCH** to the direction required.

Step 4: Turn the **SPEED SWITCH** to the speed required.

ATTN: Do not put hands on THROTTLE or switch the START/STOP switch during step 2, 3, 4.

Step 5: Switch **START/STOP** switch to start position. Grasp the left side handle bar with the operator's left hand.

Step 6: Grasp both handle bars, using the right side handle bar (**THROTTLE**) with the operator's right hand roll the **THROTTLE** gently toward the operator. The unit will come to motion; twist the throttle downward to the desired speed as the cart accelerates.

Driving:

The operator of the unit should keep normal driving posture (left hand wrapped around the left handle bar and the right hand wrapped around the throttle) at all times when the unit is in motion.

Turning:

To turn the unit, keep the normal driving posture and use both handle bars together to turn to the direction required.

Normal Stopping:

To stop the unit under normal conditions, keep the normal driving posture and roll the **THROTTLE** away from the operator until the **THROTTLE** returns to its original position. The unit will decelerate and slow to a stop in a gentle timely manner.

DISASSEMBLY

WARNING! Disassembling the unit without The Kingsley Company prior consent will void the Warranty. The ErgoPower Utility Cart should not be disassembled without prior instructions from Kingsley. Please contact Kingsley if you are experiencing and difficulties with your ErgoPower Utility Cart. Please call 909-445-1240 for details or e-mail at info@kingsley.com.

SPECIFICATION

Overall Length: 40 inches (1016 mm)

Overall Width: 22.5 inches (571.5 mm)

Overall Height: 44.5 inches (1130.3 mm).

Total Weight: 112 Lbs (50.8 Kgs)

Load Limit: 300 Lbs (136.08 Kgs)

CONTACT INFORMATION

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